

19. (Amended) Confocal microscope according to claim 17, [characterized in that] wherein the prism is configured as an Abbe prism.

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F2
20. (Amended) Confocal microscope according to claim 16, [characterized in that] wherein the optical system [(2)] for image rotation is a mirror system.

Sub
F5
21. (Amended) Confocal microscope according to claim 20, [characterized in that] wherein the mirror system is a system with an odd number of mirrors.

22. (Amended) Confocal microscope according to claim 20, [characterized in that] wherein the mirror system is configured as a K mirror.

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23. (Amended) Confocal microscope according to claim 16, [characterized in that] wherein the optical system [(2)] for image rotation is disposed [between the tube lens (3) and the objective (4)] after the ocular. How can the optical system be disposed after the ocular and still be between the scanning mirror and scanning lens of a laser scanner?

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C2
24. (Amended) Confocal microscope according to claim 16, [characterized in that] wherein the optical system [(2)] for image rotation is disposed after [the ocular (5) or] the [scan] scanning lens [(8)].

25. (Amended) Confocal microscope according to claim 16, [characterized in that] wherein the optical system [(2)] for image rotation serves to rotate all scanning and video images fed through the tube lens [a beam converging lens (7)] into the microscope.

26. (Amended) Confocal microscope according to claim 16, [characterized in that] wherein the tube lens [the beam converging lens (7)] comprises a fixed thick beam splitter[s] to avoid interferences.

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27. (Amended) Confocal microscope according to claim 16, [characterized in that an adjusting device is provided for minimizing the beam offset during rotation] wherein an

Sub I 1 and B 4 cont. axially movable objective is provided for the photographing of z-sections in a desired directional orientation. *6-36*

28. (Amended) Confocal microscope according to claim 16, [characterized in that] wherein [an axially movable objective or] an axially movable objective turret is provided for the photographing of z-sections in a[ny] desired directional orientation.

Sub 5 D 27 Please add the following new claims 29-40:

Sub 5 D 27 29. A microscope defining a path of rays and comprising: (ano (5, 74, 97))
 an objective; (15, Fig. 1)
 an ocular; (35, Fig. 1)
 a tube lens; and (33, Fig. 1)
 an optical system for image rotation disposed in the path of rays of the microscope, wherein the optical system is disposed between the tube lens and objective in the path of rays of the microscope. (12, Fig. 1)

30. Microscope according to claim 29, wherein the optical system for image rotation is a prism. (12, Fig. 1)

Sub 7 C 3 31. Microscope according to claim 30, wherein the prism is configured as a dove prism.

32. Microscope according to claim 30, wherein the prism is configured as an Abbe prism.

Sub 7 C 3 33. Microscope according to claim 29, wherein the optical system for image rotation is a mirror system.

34. Microscope according to claim 33, wherein the mirror system is a system with an odd number of mirrors.

35. Microscope according to claim 33, wherein the mirror system is configured as a K mirror.

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36. Microscope according to claim 29, wherein the optical system for image rotation is disposed after the ocular. *If the optical system is between the objective and the tube lens (see claim 29), how can it be disposed after the ocular?*

37. Microscope according to claim 29, wherein the optical system for image rotation serves to rotate all video images fed through the tube lens into the microscope.

38. Microscope according to claim 29, wherein the tube lens comprises a fixed thick beam splitter to avoid interferences.

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Cont.
39. Microscope according to claim 29, further comprising:
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an axially movable objective for the photographing of z-sections in a desired directional orientation.

40. Microscope according to claim 29, further comprising:
an axially movable objective turret for the photographing of z-sections in a desired directional orientation.
